

TYPICAL SECTION
HOT MIX ASPHALT PAVED SHOULDER

DESIGN QUANTITY TABLE ②								
	E = 4'		E = 6'		E = 8'		E = 10'	
①	Area Sq. Yds.	HMA Tons ③	Area Sq. Yds.	HMA Tons ③	Area Sq. Yds.	HMA Tons ③	Area Sq. Yds.	HMA Tons ③
8.0"	44.44	20.94	66.67	30.61	88.89	40.28	111.11	49.94
8.5"	44.44	22.36	66.67	32.63	88.89	42.90	111.11	53.17
9.0"	44.44	23.79	66.67	34.67	88.89	45.54	111.11	56.41
9.5"	44.44	25.23	66.67	36.71	88.89	48.19	111.11	59.67
10.0"	44.44	26.68	66.67	38.77	88.89	50.85	111.11	62.93
10.5"	44.44	28.15	66.67	40.84	88.89	53.53	111.11	66.21
11.0"	44.44	29.63	66.67	42.92	88.89	56.21	111.11	69.50
11.5"	44.44	31.12	66.67	45.02	88.89	58.91	111.11	72.81
12.0"	44.44	32.62	66.67	47.13	88.89	61.63	111.11	76.12
12.5"	44.44	34.14	66.67	49.25	88.89	64.35	111.11	79.45

GENERAL NOTES:

Details indicated hereon illustrate the general requirements for construction of Hot Mix Asphalt Paved Shoulder.



Any special shaping of subgrade necessary, prior to construction of paved shoulders, shall be accomplished as directed by the Engineer. Any material removed due to this special shaping shall be disposed of at the direction of the Engineer.

The subgrade beneath Paved Shoulders shall be constructed in conformance with specifications for Natural Subgrade. "Special Backfill" material shall be paid for as specified in Section 2102. Payment shall be based on a uniform 6 inch thickness. The thickness may be exceeded at the Contractor's option with no compensation for additional material.

For rumble strip details see Standard Road Plan RH-41D.

Rumble strips, special shaping, earth shoulder fill, and furnishing and finishing material for edge treatment fillet are incidental.

- ① Refer to the appropriate Detail Drawing.
- ② Quantities indicated are for design purposes and may be adjusted at time of construction if so directed by the Engineer. Quantities listed are for one shoulder per station.
- ③ Quantities shown are based on a design weight of 145 lbs/cu. ft. for Hot Mix Asphalt with an asphalt content of 6.0% utilizing a 3/4" aggregate mix size, with 45% crushed particles, and no special aggregate frictional requirements. N_{ini} , N_{des} , and N_{max} shall be 7, 68, and 104 respectively regardless of design. ESALs for the pavement. Asphalt Binder PG58-28 shall be utilized with this mix.

 Iowa Department of Transportation Highway Division	
STANDARD ROAD PLAN RH-41C	
REVISION: Show flatter than 6:1 slope and actual 6:1 slope.	REVISION NO. 14
	REVISION DATE 10-29-02
APPROVED BY DESIGN METHODS ENGINEER	
PAVED SHOULDER FULL DEPTH HOT MIX ASPHALT (ADJACENT TO PCC PAVEMENT)	